

FALCON LONGREACH OUTBACK UTE.

MAJOR UNIQUE COMPONENTRY.



HAVE YOU DRIVEN AFORD...LATELY?



BTR HYDRATRAC LSD

The BTR Hydratrac LSD (Patent Pending) incorporates a cartridge type fluid coupling which progressively and smoothly increases torque transfer to the wheel with slower rotation.

This is in direct response to the reactive speed difference of the opposing, faster-rotating wheel.

Thus, the more one wheel slips, the greater the useful tractive effort on the opposite wheel.

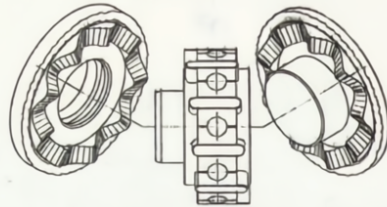
Also, the large torque range available makes the BTR Hydratrac LSD suitable for a wide variety of differential applications in front, rear and inter-axle configurations, with characteristics tuned to suit customer requirements.

Consequently, the correct degree of torque tends to automatically be distributed to each drive wheel as conditions demand, thereby ensuring that near optimum balance between traction, cornering performance, stability and driver feedback is achieved.

The main benefits of the BTR Hydratrac LSD over other comparable couplings include improved torque bias characteristics (particularly when working hard), faster more efficient response and greater durability in a relatively simple and compact package comprising extremely robust internal components catering for the highest performance applications.

The BTR Hydratrac LSD is self-contained and designed for easy incorporation into the drivetrain, making it very cost-effective in the context of vehicle assembly as well as future servicing.

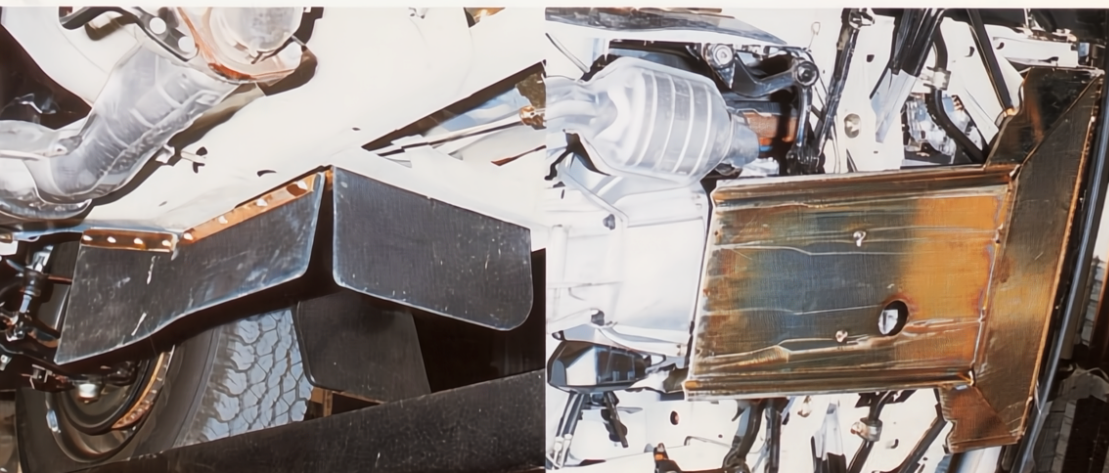
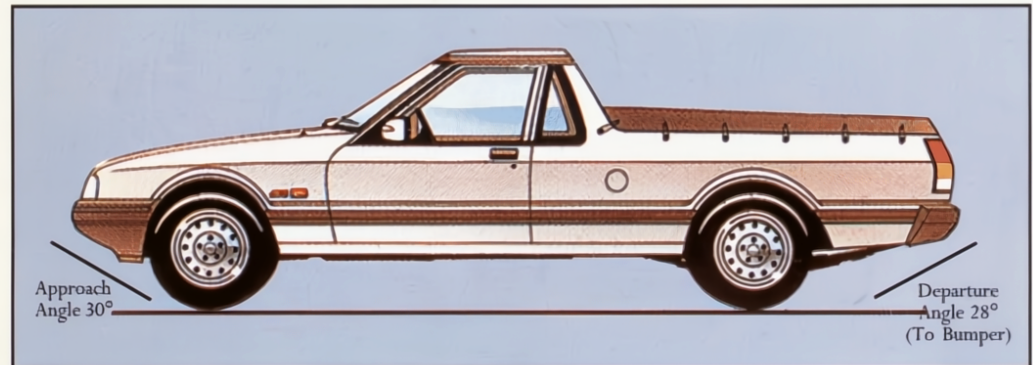
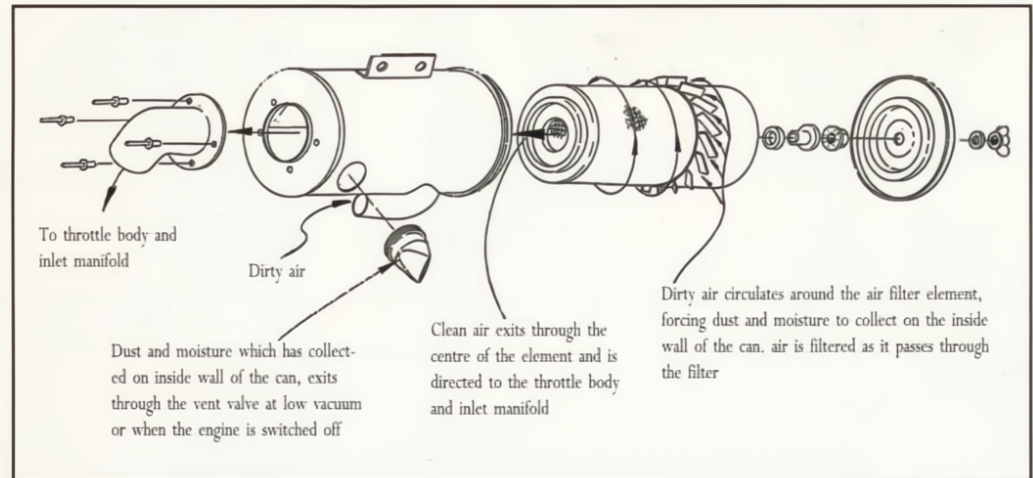
BTR Hydratrac Details



BTR SPEED SENSITIVE HYDRATRAC LIMITED SLIP DIFFERENTIAL

FEATURES AND BENEFITS

- Speed sensitive, with innovative BTR fluid coupling.
- Progressive build-up of torque transfer as wheel speed difference increases.
- Significantly enhances vehicle stability, traction and cornering "feel".
- Robust and compact.
- Great flexibility available for tuning torque transfer characteristics to suit customer requirements.
- No electronics, hydraulics or other external controls required.
- Cost effective high performance relative to other speed sensitive systems.



ADVANCE DEALER INFORMATION

HYDRATRAC REAR AXLE:

Heavy duty axle fitted with 3.45:1 ratio for improved tractability and better throttle control. It features the BTR "Hydratrac" LSD, which is the first time this high technology axle has been used in a commercial application. More progressive application and longer life. It uses silicon as the driving medium.

LONG RANGE FUEL TANK:

Second fuel tank fitted under floor (tank1: 68L, tank2: 58L) for total fuel capacity of 126L. Filling of both tanks is through original single filler. Two electric pumps used with a central changeover valve. Original fuel gauge registers either tank contents. NB: "Midships" location provides stable ride and handling with full load. Also excellent stone protection, plus no loss of load space.

HEAVY DUTY SUSPENSION:

Rear - Heavy duty dual rate spring with raised ride height.

Front - Heavy duty with raised ride height, spring rate increased 13%.

HEAVY DUTY SHOCK ABSORBERS:

Large Diameter Monroe gas "Magnum" shock absorbers provide higher temperature stability and consistent performance in severe conditions. Mounting insulators, improved type, to reduce noise and provide better isolation and durability.

TOUGHER FRONT SPRING SADDLES:

Newly developed front spring saddles use a rotating pin set in urethane for greatly improved durability.

SEATING:

Automatic vehicles feature a three passenger bench seat with column automatic selector lever.

Manual vehicles fitted with centre (third) seat and a mini console, the gear lever is canted to improve leg clearance for middle passenger. Standard seat belt stalks are flexible type and centre seat lap belt fitted.

AIR CLEANER:

Engine air intake position is set 100mm higher to improve fording ability and provide cleaner air to motor.

Heavy duty cylindrical air cleaner with automatic dust extraction. This air cleaner design allows standard vehicle service intervals to be retained, even in severe conditions.

STONE DAMAGE PROTECTION:

Mud flaps fitted front and rear. Underflaps to control stone damage are also added. Steel sump and transmission guard is fitted as standard equipment. This is constructed from 2.5mm plate with double skin with ribbed reinforcement added in high durability areas.

BULLBAR:

A purpose built proven design which meets ADR standards. Made from alloy with a black powder coating, for toughness and durability.

TOW HOOK:

Passes through RHS lower valance and bolted to subframe.

FRONT BUMPER:

Lower flange removed from front apron to improve ground clearance and approach angle.

WHEELS:

6.5 by 15 steel sports wheels.

TYRES:

195 SR15 Goodyear Wrangler RTS Tyres. Made in Australia, with a light truck rating, aggressive tread pattern and strong sidewalls for durability and all terrain traction.

SUSPENSION:

Ride Height Raised 30mm

	Outback Ute	Standard Ute	Percentage Inc.
<u>Front Springs:</u>			
Spring rate (N/mm):	60.8	53.8	13.0%
Wire Diameter (mm)	16.9	16.2	4.3
<u>Front Shock Absorbers</u>			
Shaft Diameter (mm)	15.8	12.4	27.4
Body Diameter (mm)	54.0	44.4	21.6
<u>Rear Shock Absorbers</u>			
Shaft Diameter (mm)	15.8	12.4	27.4
Body Diameter (mm)	54.0	44.1	22.5

MECHANICAL

- 4.0 litre OHC engine with multipoint electronic fuel injection
- Electronic engine control (EEC4) system
- 5-speed manual floor shift transmission
- Optional 4-speed electronic automatic transmission
- Power assisted steering
- Short and long arm front suspension
- Hotchkiss rear suspension
- Front stabiliser bar
- Four wheel disc brakes

EXTERIOR

- Wide section grey bodyside protection mouldings
- Tonneau cover
- Rectangular halogen headlamps with integrated long range driving lamps
- Black foldaway right and left hand exterior rear view mirrors, each with manual interior remote control
- Two speed front windscreen wipers with intermittent setting and demand wash/demand wipe feature
- Dual jet windscreen washers
- Tinted band laminated windscreen
- Tinted and shaded rear window
- Tinted side/rear glass
- Quarter side rear windows
- Drop down tailgate with levelling cable
- Lock down radio aerial

INTERIOR

- "Smartlock" electronic immobilisation
- High security locking system featuring "tibbe" locks on doors and ignition and strengthened steering column lock housing

- "Soft feel" steering wheel
- Adjustable rake steering column
- Prismatic day/night interior rear view mirror
- Door map pockets
- Digital clock in radio
- Tivoli cloth trim with Saville cloth insert
- Bucket seats (floor transmission)
- Bench seat (column auto)
- Driver and passenger seat fore/aft and rake adjustment
- Driver's seat lumbar support adjust-

- ment (bucket seats)
- Driver and passenger seat infinitely adjustable recline
- Adjustable headrest
- Driver's left footrest
- Door activated courtesy light
- Adjustable instrument panel illumination
- Illuminated and lockable glovebox
- Cigar lighter and ashtray
- Four speed fan boosted ventilation with footwell ducts
- Optional integrated air conditioning

- Electronic tuning AM/FM stereo radio/cassette with two speakers, auto reverse, auto scan memory storage and security code feature
- Rubber passenger compartment floor
- Warning lights: high beam, low oil pressure, lights on, alternator, brake failure, park brake on
- Gauges: speedometer, odometer, trip-meter, fuel gauge and water temperature gauge
- Inertia reel seat belts

SPECIFICATIONS

ENGINE

Power (DIN kW)	148 / 4500
Torque (DIN Nm)	348 / 3750
Cylinder head material	Aluminium alloy with sintered iron valve seat inserts
Cylinders	6 in line
Fan	Temperature sensitive viscous clutch
Bore (mm)	92.26
Stroke (mm)	99.3
Capacity	3984
Valve gear	Overhead valves with hydraulic tappets
Camshaft drive	Chain drive
Compression ratio	8.77 : 1
Cooling	High capacity radiator

DIMENSIONS

Exterior (mm)

Overall length	4920
Overall width	1860
Overall height (unladen)	1470
Wheelbase	2957
Track - front	1552
- rear	1525
Ground clearance	200

GEAR RATIOS	1st	2nd	3rd	4th	5th	Rev	Final Drive
Manual	3.25	1.99	1.29	1.00	0.72	3.15	3.45:1
Auto	2.39	1.45	1.00	0.68		2.09	3.45:1

LOAD AREA (MM)

Max load length (tailgate down)	2696
Max load length (tailgate closed)	2134
Load height (unladen)	705
Wheelarch spacing	1159

CARGO/TOWING (subject to applicable legislation and tow bar capacity)

Load Capacity	Kerb	GVM	Load Capacity
Ute manual	1480kg	2300kg	820kg
Ute automatic	1510kg	2300kg	790kg

Towing

Utility	Factory Fitted Class I Towing Pack	Class II Towbar†
	1600kg	2300kg

† A Ford approved 2300kg capacity class II towbar is available from Ford dealers for vehicles fitted with an automatic transmission

Gross Combined Mass - (total vehicle and trailer) 4190kg

This brochure is designed to provide you with a general introduction to the Ford products (including available optional equipment) referred to, and should be read in conjunction with the latest specification sheet. Because of changes in conditions and circumstances Ford* reserves the right, subject to all applicable laws, at any time, at its discretion, and without notice, to discontinue or change the features, designs, materials, colours and other specifications and the prices of their products, and to either permanently or temporarily withdraw any such products from the market without incurring any liability to any prospective purchaser or purchaser. The latest specification sheet should be referred to for information on the availability, ordering and use of optional equipment. Always consult an Authorised Ford Dealer for the latest information with respect to features, specifications, prices, optional equipment and availability before deciding to place an order.

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HAVE YOU DRIVEN A FORD...LATELY?

